

REMARKS

Section 112 rejection.

Claim 1 has been amended to delete the recitation to ambient temperature to obviate the rejection based on new matter. However, the applicant wishes to reassert that it would be understood by one skilled in the art that ambient temperature is implied when no heating or cooling is disclosed in the blending of components. Moreover, it would be within the expertise of one skilled in the art, without undue experimentation, to discern the temperature for blending a combination of a liquid resin and a powdered resin to assure that the combination remains a multi-phase system before cure. Thus, even without the recitation with respect to ambient temperature, the present application is distinct and different from the Boyd process, which requires slurry mixing at an elevated temperature.

The weight ratio of bismaleimide resin to liquid resin can be easily calculated by one skilled in the art from Tables 1, 3, and 5, in which the parts by weight of all the components are given. Those calculations are presented here in which the ratio of solid BMI to the liquid oligomers and monomers is calculated (excluding the filler and other minor additives). Claim 1 is amended to correct the ratio based on all the calculations. The Examiner will see that the examples provide more than two points to provide support for the claimed range for the ratios:

From Table 1:

Example 1B	1:30
Example 1C	1:18
Example 1D	1: 9
Example 1E	1: 6
Example 1F	1: 3
Example 1G	1.1.8

From Table 3:

Example 2B	1: 45
Example 2C	1:9
Example 2D	1:3

Example 2E 1:1.8

From Table 5:

Example 3B 1:27

Example 3C 1:8

Example 3D 1:2.7

Example 3E 1:1.6

Section 102(b)

Claim 1 has been amended to claim a particular BMI solid for addition to the adhesive formulation. Boyd teaches that the preferred BMI is one that is highly aromatic, preferably with more than one aromatic group, column 4, lines 39 to 41. The instantly claimed BMI is not disclosed by Boyd. Moreover, as previously argued, the weight ratio of solid BMI to liquid co-reactant in Boyd is substantially 1:1 (deemed to include some variation from 1:1.5 to 1.5:1), in contrast to applicant's, which ranges from 1:1.6 to 1:45. Applicant, thus, requests the Examiner to remove the rejection on these grounds.

Applicant respectfully urges that the application is now in condition for allowance.